

Docket No. DE 2305.02 US
USSN: 09/866,337

PATENT
Art Unit: 2872

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Amended) An optical device used in an optical read/write head comprising a first light-penetrable material having a first side and a second side wherein a first reflecting light of the first side has a different angle from a second reflecting light of the second side wherein the second reflecting beam passes through the first side and causes a refractive light at [a first optical coating plane and a second optical coating plane for respectively reflecting a first light and a second light to] an identical optical axis; the first and second lights being generated at different timing.
3. (Amended) The optical device according to claim 1, wherein [said] the first light is a laser beam.
4. (Amended) The optical device according to claim 1, wherein [said] the second light is a laser beam.
5. (Amended) The optical device according to claim 1, wherein [said] the first and second sides include first and second optical coating planes respectively, the first and second planes being [plane is] parallel [to said second optical coating plane].
6. (Cancelled) The optical device according to claim 1, wherein said first light and said second light are generated respectively at different timing.

Docket No. DE 2305.02 US
USSN: 09/866,337

PATENT
Art Unit: 2872

7. (Cancelled) The optical device according to claim 1, wherein said first light is directly reflected to said optical axis by said first optical coating plane, and said second light passes through said first optical coating plane and then said second light is reflected to said optical axis by said second optical coating plane.
8. (Amended) The optical device according to claim [1] 5, wherein [said] the first optical coating plane and [said] the second optical coating plane are respectively coated on two opposite sides of a first light-penetrable material.
9. (Amended) The optical device according to claim 8, further comprising a second light-penetrable material for reflecting a third light to [said] the optical axis.
10. (Amended) The optical device according to claim 9, wherein a third optical coating plane is coated on [said] the second light-penetrable material, and [said] the third light passes through [said] the first optical coating plane and [said] the second optical coating plane and then [said] the third light is reflected to [said] the optical axis by [said] the third optical coating plane.
11. (Amended) An optical device used in an optical read/write head comprising plural optical [coating] planes for reflecting at least one [plural] laser [beams] beam and for refracting a reflective beam to an identical optical axis at different angles and at different timing.
12. (Amended) An optical device used in an optical read/write head comprising a first coating optical plane and a second optical coating plane coated on two opposite sides of a light-penetrable material for reflecting a first light and for

Docket No. DE 2305.02 US
USSN: 09/866,337

PATENT
Art Unit: 2872

refracting a second reflective light to an identical optical axis at different angles and at different timing.

13. (Amended) The optical device according to claim 12, further comprising a second light-penetrable material for refracting [reflecting] a third reflective light to [said] the optical axis.

14. (Amended) An optical system for writing to and reading from an optical disc, comprising:

a plurality of light beams;

an optical component comprising a plurality of optical [coating] planes for respectively reflecting at least one [said plurality of] light [beams] beam of the plurality of light beams and refracting a reflective beam to an identical optical axis at different angles and different timing; and

a mirror configured to direct any one of [said] the light beams oriented at [said] the identical optical axis to the surface of said optical disc.

15. (Amended) The optical system of claim 14, further comprising:

a plurality of light sources combined together in the same pack wherein [said] the plurality of light beams are produced, respectively, from [said] the plurality of light sources.

16. (Cancelled) The optical system of claim 14, wherein said light beams are generated respectively at different timing.

17. (Amended) A method of directing multiple light beams to the surface of an optical disc, comprising the steps of:

directing a plurality of light beams to a plurality of optical [coating] planes which respectively reflect [said] at least one [plurality of] light beam and refracted

Docket No. DE 2305.02 US
USSN: 09/866,337

PATENT
Art Unit: 2872

at a reflective beam to an identical optical axis at different angles and different timing; and

directing by a mirror any one of said plurality of light beams oriented at said identical optical axis to the surface of said optical disc.

18. (New) An optical device used in an optical read/write head comprising a first light-penetrable material having a first side and a second side wherein a first reflecting light of the first side has a different angle from a second reflecting light of the second side wherein the second reflecting beam passes through the first side and causes a refractive light at an identical optical axis; the first and second lights being generated non-simultaneously.

19. (New) The optical device according to claim 18, wherein the first and second lights are laser beams.

20. (New) The optical device according to claim 18, wherein the first and second sides include first and second optical coating planes respectively, the first and second planes being parallel.